COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare th	As	a	below	named	inventor.	1	hereby	dec	lare	tha	ıt
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As a below hall	icu inventor, i nereby deciare that.
This declaration	is of the following type:
	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
	Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Tao
first and sole in	ost office address and citizenship are as stated below next to my name. I believe I am the original ventor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
PULSE NUCLE	EATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS
	SPECIFICATION IDENTIFICATION
The specification	n of which:
	is attached hereto was filed on, under Serial No, executed on even date herewith; or Express Mail No. (as Serial No. not yet known) and was amended or (if applicable) was described and claimed in PCT International Application No filed or and as amended under PCT Article 19 on
£	ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	at I have reviewed and understand the contents of the above-identified specification, including the led by any amendment referred to above.
	ne duty to disclose all information I know to be material to patentability in accordance with Title 37, Regulations, 1.56,
and which is m likelihood that a issue as a patent,	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application to and
\boxtimes	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

	No such applications have been filed. Such applications have been filed as follows:
A.	Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119
	Country/PCT Application No Date Filed Priority Claimed [] Yes [] No [] Yes [] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application
	Country: Application No: Filing date:
	PRIORITY CLAIM (35 U.S.C. §120)
subject in provided that is market reasonal.	or claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT onal application(s) designating the United States of America that is/are listed below and, insofar as the matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner 1 by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information naterial to the examination of this application (namely, information where there is substantial likelihood that a cole Examiner would consider it important in deciding whether to allow the application to issue as a patent) occurred between the filing date of the prior application(s) and the national or PCT international filing date of lication.
	No such applications have been filed Such applications have been filed, as follows:
	Serial No. Filing Date Patented Pending Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Joseph Bach Registration No. 37,771 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Robert W. Mulcahy Registration No. 25,436 Kenneth C. Brooks Registration No. 38,393

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Kenneth C. Brooks Law Office of Kenneth C. Brooks (512) 527-0104

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inver	itor: Jong Hyun Yoo	
Inventor's signature:		Date:
Residence:	Milpitas, California	
Post Office Address:	190 Rainbow Place	
	Milpitas, California 95035	
	U.S.A.	Country of Citizenship: South Korea
Full name of second inv	ventor: Xinliang Lu	
Inventor's signature:	XV.J	Date: 12/12/2001
Residence:	Sunnyvale, California	
Post Office Address:	685 Garland Avenue #54	
	Sunnyvale, California 94086	
	U.S.A.	Country of Citizenship: People's Republic of China

....

Full name of third inver	ntor: Chiliang Chen	
Inventor's signature:		Date:
Residence:	Sunnyvale, California	
Post Office Address:	1712 Calary Drive	
	Sunnyvale, California 94538	a
	U.S.A.	Country of Citizenship: Republic of China (Taiwan)
	и	
Full name of fourth inv	entor: Kevan Kaung Lai	
T	Kmfu	Date: /2//2/0/
Inventor's signature: Residence:	Milpitas, California	Date: 1 11 / C
Post Office Address:	1354 Terra Alta Drive	
1 ost Omico Hadress.	Milpitas, California 95035	
	U.S.A.	Country of Citizenship: Republic of China (Taiwan)
Full name of fifth inven	tor: Chien-Tao Kao	
Inventor's signature:		Date:
Residence:	Sunnyvale, California	
Post Office Address:	725 Starbush Drive	
	Sunnyvale, California 94086 U.S.A.	Country of Citizenship: Republic of China (Taiwan)
	U.B.A.	Country of Chizenship. Republic of China (Talwaii)
	(Declaration end	s with this page)

with 37 CFR 1.98.

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below na	amed inventor, I hereby declare that:					
This declaration	on is of the following type:					
	original divisional continuation continuation-in-part					
INVENTORSHIP IDENTIFICATION						
	Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Teh					
first and sole i	My residence, post office address and citizenship are as stated below next to my name. I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:					
TITLE OF INVENTION						
PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS						
SPECIFICATION IDENTIFICATION						
The specificati	ion of which:					
	is attached hereto was filed on, under Serial No, executed on even date herewith; o Express Mail No. (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on					
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	that I have reviewed and understand the contents of the above-identified specification, including the nded by any amendment referred to above.					
	the duty to disclose all information I know to be material to patentability in accordance with Title 37 al Regulations, 1.56,					
	material to the examination of this application; namely, information where there is a substantial a reasonable Examiner would consider it important in deciding whether to allow the application to ant, and					

In compliance with this duty there is attached an Information Disclosure Statement in accordance

PRIORITY CLAIM (35 U.S.C. §119)

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			1 ,				
		plications have been filed as					
A.		Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119					
	Country/PCT	Application No	Date Filed	Priority Claimed [] Yes [] No [] Yes [] No			
В.	All foreign applica	ation(s), if any, filed m	nore than 12 mos.	(6 mos for design) prior to this U.S.			
	Country: Application No: Filing date:						
		ppyopyty/ Cl		20)			
		PRIORITY CI	LAIM (35 U.S.C. §1	20)			
				any United States application(s) or PCT at is/are listed below and, insofar as the			

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

<u></u>	h applications have beer			
		Statı	ıs	
Serial No.	Filing Date	Patented Pending	Abandoned	

POWER OF ATTORNEY

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Raymond Kam-On Kwong Registration No. 37,165

James C. WilsonRegistration No. 35,412Robert W. MulcahyRegistration No. 25,436Kenneth C. BrooksRegistration No. 38,393

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Kenneth C. Brooks
Legal Affairs Dept. Law Office of Kenneth C. Brooks

Applied Materials, Inc. (512) 527-0104 P.O. Box 450A

Santa Clara, CA 95052

DECLARATION

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Full name of first inven	tor: Jong Hyun Yoo	
Inventor's signature:		Date:
Residence:	Milpitas, California	
Post Office Address:	190 Rainbow Place	
	Milpitas, California 95035	
	U.S.A.	Country of Citizenship: South Korea
Full name of second inv	ventor: Xinliang Lu	
Inventor's signature:		Date:
Residence: Sunnyvale, California		
Post Office Address:	685 Garland Avenue #54	

Inventor's signature:

Post Office Address:

Residence:

	U.S.A.	Country of Citizenship: People's Republic of China
Full name of third inven	tor: Chiliang Chen	
Inventor's signature:		Date:
Residence:	Sunnyvale, California	
Post Office Address:	1712 Calary Drive	
	Sunnyvale, California 94538	
	U.S.A.	Country of Citizenship: Republic of China (Taiwan)
Full name of fourth inve	entor: Kevin Kaung Lai	
Inventor's signature:		Date:
	Milpitas, California	
Post Office Address:	1354 Terra Alta Drive	
	Milpitas, California 95035	
	U.S.A.	Country of Citizenship: Republic of China (Taiwan)
Full name of fifth invent	tor: Chien-Teh Kao	

Sunnyvale, California 94086

Sunnyvale, California

Sunnyvale, California 94086

725 Starbush Drive

U.S.A.

(Declaration ends with this page)

Country of Citizenship: Republic of China (Taiwan)